

Red Mountain Softball Field: One Year of Clean Energy

By Ryan Shatto, ASU Intern with the City of Mesa Environmental & Sustainability Division, June 2012

The graph below highlights energy production for the **City of Mesa's SolFocus CPV** (concentrated photovoltaic) facility at Red Mountain Softball Field. The graph shows kWh (kilowatt hours) produced in daily totals from **June 15th 2011 to June 10th 2012**.

Since installation, the **70.5 kW system** produced over **150,000 kWh of clean energy** and is remarkably stable. The monthly fluctuations are both weather and seasonally related. As the days get longer in the summer months, more absorption of solar radiation occurs resulting in greater kilowatt hours produced. Dips in the bar graph represent occasional weather related decreases in production due to rain or cloud cover.



The clean energy produced negates the emissions of more than 11,500 gallons of gasoline or annual electric use of 12 homes a year.



Daily Totals



Customer Information

Name: MESA SOLFOCUS-SOL
Address: 7808 E BROWN RD LT
ME 85201
Acct. No: 612560009
Meter No: 2341620

Wed Jun 15 2011 to Sun Jun 10 2012

Total Usage: 148,010.35 KWHOUT
Max Demand: 63.75 KWOUT
Occurred On: Mar 20 2012 11:45
Load Factor: 26.724%
Date Range: Jun 15 To Jun 10

KWHOUT (channel: 1 Set: 0)

Daily Totals

10273

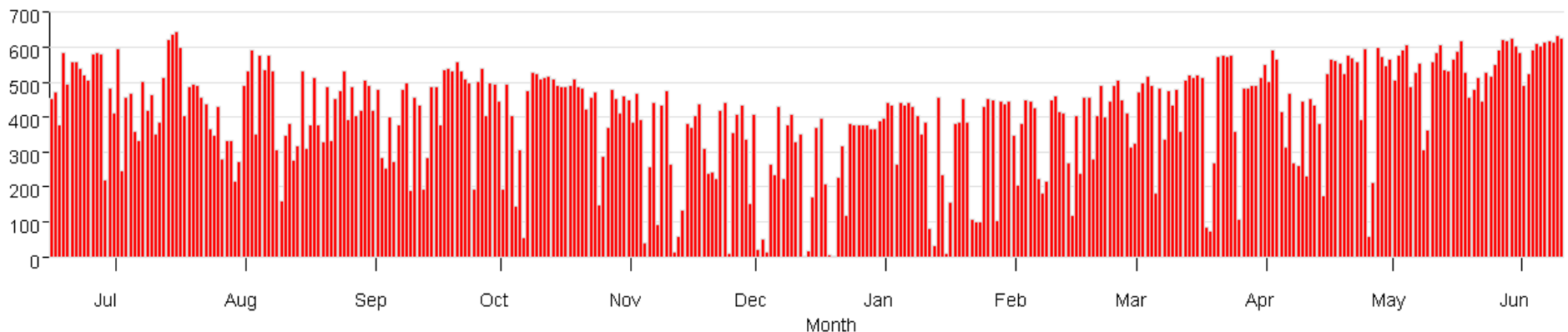


Table represents actual energy production of the City of Mesa's concentrated photovoltaic facility at Red Mountain Softball Field.